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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 130588.00011

First Inventor Nathan Newman

Title Barium Cadmium Tantalum-Based . . . . .

Express Mail Label No. EL645096844US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 25]  
(preferred arrangement set forth below)
 

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 10 ]

5. Oath or Declaration [ Total Pages 4 ]

a.  Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))

b.  (for continuation/divisional with Box 18 completed)
 

- i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
 

- a.  Computer Readable Form (CRF)
- b.  Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney  
(when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other:  Specification Cover Sheet  
 Certificate of Mailing

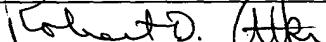
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-part (CIP) of prior application No. /

Prior application information: Examiner Group Art Unit:

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	 (Insert Customer Number or Bar Code Label here)		<input type="checkbox"/> or <input type="checkbox"/> Correspondence address below
Name	26707 PATENT TRADEMARK OFFICE		
Address			
City		State	
Country		Telephone	
Name (Print/Type)	Robert D. Atkins	Registration No. (Attorney/Agent)	34,288
Signature			Date 6/30/03

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PTO

21712 U.S. 10/611780

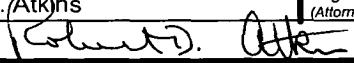


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06/30/03  
U.S. PTO

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<b>FEE TRANSMITTAL</b> <b>for FY 2003</b> <small>Patent fees are subject to annual revision.</small>		<b>Complete if Known</b>	
		Application Number	
		Filing Date	Filed concurrently herewith
		First Named Inventor	Nathan Newman
		Examiner Name	
		Group Art Unit	
		Attorney Docket No.	130588.00011
TOTAL AMOUNT OF PAYMENT		(\$)	

<b>METHOD OF PAYMENT (check all that apply)</b>				<b>FEE CALCULATION (continued)</b>																																																																																																																																																																																																			
<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 17-0055 Deposit Account Name Quarles & Brady LLP				<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2050</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for <i>ex parte</i> reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - 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**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																																							

<b>SUBMITTED BY</b>		Complete (if applicable)		
Name (Print/Type)	Robert D. Atkins	Registration No. (Attorney/Agent)	34,288	Telephone (602) 229-5311
Signature				Date 6/30/03

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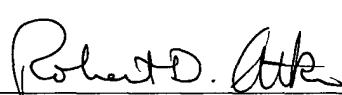
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Date of Signature and Deposit: 6/30/03

By:

  
(Signature of person depositing mail)

ROBERT D. ATKINS

**CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. 1.10**

In re Application of:	:	
Nathan Newman	:	
Serial No.: To be assigned	:	Group Art Unit: Unknown
Filed: Filed Concurrently Herewith	:	Examiner: Unknown
For: Barium Cadmium Tantalum-Based	:	
Compound Having High Dielectric	:	
Properties And Method of Making the Same:	:	
Docket No.: 130588.00011	:	

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Type of Filing:

- 1) Utility Transmittal
- 2) Fee Transmittal
- 3) Patent Application 25 pages plus cover sheet)
- 4) Drawings (10 sheets)
- 5) Executed Declaration
- 6) Executed Power of Attorney
- 7) Executed Assignment and Recordation Form Cover Sheet
- 8) Return receipt postcard